

DATE: October 14, 2005 SHEET 1\_ of 1\_

## Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
	7286.US.O1	10/763,548
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
APPLICANT Michael G. Lowery et al.		
(Use several sheets if necessary)	FILING DATE	GROUP
(37 CFR 1.98 (b))	11/23/2004	3736

## U.S.PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION	
							YES	NO
JL	B1	95/21565	17.08.95	WO				X

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JL	C1	Hayes et al., "Artifact reduction in photoplethysmography", APPLIED OPTICS, Vol. 37, No.31, November 1, 1998; pp. 7437 - 7446.
↓	C2	Gostt et al., "REAL-TIME PULSE OXIMETRY ARTIFACT ANNOTATION ON COMPUTERIZED ANAESTHETIC RECORDS". Journal of Clinical Monitoring and Computing, Vol. 17; pp. 249 - 257, 2002.
↓	C3	Rhee, "Design and Optimization of an Artifact-Resistive Wearable Photoplethysmographic Device: The Ring Sensor", Doctoral Thesis Proposal, Department of Mechanical Engineering of the Massachusetts Institute of Technology, August 1999.
JL	C4	Copy of the PCT Search Report.

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)

/Jack Lin/

04/27/2006

## Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

7286.US.O1

SERIAL NO.

10/763,548

APPLICANT

Michael G. Lowery et al.

FILING DATE

01/23/2004

GROUP

3736

## U.S.PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
JL	A1	5,782,757	07/21/1998	Diab et al.			
	A2	6,002,957	12/14/1999	Finneran			
	A3	6,018,673	01/25/2000	Chin et al.			
	A4	6,067,462	05/23/2000	Diab et al.			
	A5	6,236,872	05/22/2001	Diab et al.			
	A6	6,241,663	06/05/2001	Wu et al.			
	A7	6,353,226	03/05/2002	Khalil et al.			
	A8	6,374,129	04/16/2002	Chin et al.			
	A9	2003/0023151	01/20/2003	Khalil et al.			
	A10	6,526,298	02/25/2003	Khalil et al.			
	A11	6,615,061	09/02/2003	Khalil et al.			
	A12	6,630,673	10/07/2003	Khalil et al.			
	A13	6,662,030	12/09/2003	Khalil et al.			
JL	A14	6,662,031	12/09/2003	Khalil et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRAN- SLATION YES NO
JL	B1	99/59464	25.11.1999	WO			
JL	B2	02/060320	08.08.2002	WO			
JL	B3	02/082989	24.10.2002	WO			

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JL	C1		Yeh et al., "Monitoring Blood Glucose Changes in Cutaneous Tissue by Temperature-modulated Localized Reflectance Measurements". Clinical Chemistry, Vol. 49:6, 2003; pp. 924-934.
	C2		Yeh et al., "Near-infrared thermo-optical response of the localized reflectance of intact diabetic and nondiabetic human skin". Journal of Biomedical Optics, Vol. 8, No. 3, July 2003; pp.534-544.
	C3		Khalil et al., "Temperature modulation of the visible and near infrared absorption and scattering coefficients of human skin". Journal of Biomedical Optics, Vol. 8, No. 2, April 2003; pp.191-205.
	C4		Wu et al., "Noninvasive Determination of Hemoglobin and Hematocrit Using a Temperature-Controlled Localized Reflectance Tissue Photometer". Analytical Biochemistry, Vol. 287, 2000; pp. 284-293.
	C5		Zhang et al., "Investigation of Noninvasive <i>in vivo</i> Blood Hematocrit Measurement Using NIR Reflectance Spectroscopy and Partial Least-Squares Regression". Applied Spectroscopy, Vol. 54, No. 2, 2000; pp. 294-299.
JL	C6		Khalil et al., Method for Modulating Light Penetration Depth in Tissue and Diagnostic Applications Using Same, U.S. Serial Number 09/419,461, filed October 15, 1999.

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and  
not considered. Include copy of this form with next communication to applicant.

/Jack Lin/

04/27/2006

## Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Modified) PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98 (b))

ATTY. DOCKET NO.

7286.US.O1

SERIAL NO.

10/763,548

APPLICANT

Michael G. Lowery et al.

FILING DATE

01/23/2004

GROUP

3736

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
JL	A1	5,782,757	07/21/1998	Diab et al.			
	A2	6,002,957	12/14/1999	Finneran			
	A3	6,018,673	01/25/2000	Chin et al.			
	A4	6,067,462	05/23/2000	Diab et al.			
	A5	6,236,872	05/22/2001	Diab et al.			
	A6	6,241,663	06/05/2001	Wu et al.			
	A7	6,353,226	03/05/2002	Khalil et al.			
	A8	6,374,129	04/16/2002	Chin et al.			
	A9	2003/0023151	01/20/2003	Khalil et al.			
	A10	6,526,298	02/25/2003	Khalil et al.			
	A11	6,615,061	09/02/2003	Khalil et al.			
	A12	6,630,673	10/07/2003	Khalil et al.			
	A13	6,662,030	12/09/2003	Khalil et al.			
JL	A14	6,662,031	12/09/2003	Khalil et al.			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION
							YES NO
JL	B1	99/59464	25.11.1999	WO			
JL	B2	02/060320	08.08.2002	WO			
JL	B3	02/082989	24.10.2002	WO			

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JL	C1		Yeh et al., "Monitoring Blood Glucose Changes in Cutaneous Tissue by Temperature-modulated Localized Reflectance Measurements". Clinical Chemistry, Vol. 49:6, 2003; pp. 924-934.
	C2		Yeh et al., "Near-infrared thermo-optical response of the localized reflectance of intact diabetic and nondiabetic human skin". Journal of Biomedical Optics, Vol. 8, No. 3, July 2003; pp.534-544.
	C3		Khalil et al., "Temperature modulation of the visible and near infrared absorption and scattering coefficients of human skin". Journal of Biomedical Optics, Vol. 8, No. 2, April 2003; pp.191-205.
	C4		Wu et al., "Noninvasive Determination of Hemoglobin and Hematocrit Using a Temperature-Controlled Localized Reflectance Tissue Photometer". Analytical Biochemistry, Vol. 287, 2000; pp. 284-293.
	C5		Zhang et al., "Investigation of Noninvasive <i>in vivo</i> Blood Hematocrit Measurement Using NIR Reflectance Spectroscopy and Partial Least-Squares Regression". Applied Spectroscopy, Vol. 54, No. 2, 2000; pp. 294-299.
JL	C6		Khalil et al., Method for Modulating Light Penetration Depth in Tissue and Diagnostic Applications Using Same, U.S. Serial Number 09/419,461, filed October 15, 1999.

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Jack Lin/

04/27/2006